LIST OF CONTENTS

JULY

Vol. 66, No. 1–2

Review

Angela M. H. Brodie and Vincent C. O. Njar 1 Aromatase inhibitors in advanced breast cancer: mechanism of action and clinical implications

Papers

Véronique Marsaud, Christine Mercier-Bodard, Dominique Fortin, Stéphane Le Bihan and Jack-Michel Renoir 11 Dexamethasone and triamcinolone acetonide *accumulation* in mouse fibroblasts is differently modulated by the immunosuppressants cyclosporin A, FK506, rapamycin and their analogues, as well as by other P-glycoprotein ligands

Vilmos Adleff, Károly Rácz, Béla Szende, Miklós Tóth, Judit Moldvay, Ibolya Varga, Attila Bezzegh, Zsolt Szegedi and Edit Gláz 27 Coexpression of p53 and tissue transglutaminase genes in human normal and pathologic adrenal tissues

Philippe Nirdé, Virginie Georget, Béatrice Térouanne, René-Benoit Galifer, Charles Belon and Charles Sultan 35 Quantitation of androgen receptor messenger RNA from genital skin fibroblasts by reverse transcription — competitive polymerase chain reaction

Ludwik K. Malendowicz, Anna S. Belloni, Gastone G. Nussdorfer, Anna Hochol and Magdalena Nowak 45 Arginine–vasopressin and corticotropin-releasing hormone are sequentially involved in the endothelin-1-induced acute stimulation of rat pituitary-adrenocortical axis

T. Kostić, S. Andrić, D. Marić and R. Kovačević 51 The effect of acute stress and opioid antagonist on the activity of NADPH-P450 reductase in rat Leydig cells

O. A. Dimitrov and Z. I. Lalchev 55 Interaction of sex hormones and cholesterol with monolayers of dipalmitoylphosphatidylcholine in different phase state

Donna E. Goldhawk and Ronald Hobkirk 63 β-Glucuronidase is not required for transfer of [^{3}H]-estrone-[^{14}C]glucuronide across guinea pig fetal membranes

Melinda E. Wilson and Robert J. Handa 71 Direct actions of gonadal steroid hormones on FSH secretion and expression in the infantile female rat

AUGUST

Vol. 66, No. 3

David A. Jackson, Clayton D. Collier, Hisaji Oshima and S. Stoney Simons Jr. 79 Modulation of TAT gene induction by glucocorticoids involves a neutralizing sequence

Robert A. Payson, Maqsood A. Chotani and Ing-Ming Chiu 93 Regulation of a promoter of the fibroblast growth factor 1 gene in prostate and breast cancer cells

Gianna Fiorelli, Uliana Frediani, Valentina Martineti, Alessandro Franchi, Francesca Gori, Francesco Franceschelli, Annalisa Tanini, Mario Serio and Maria Luisa Brandi 105 Aromatase expression and activity in the human leukaemic cell line FLG 29.1

Miguel Saceda, Ralph K. Lindsey, Harrison Solomon, Stephen V. Angeloni and Mary Beth Martin 113 Estradiol regulates estrogen receptor mRNA stability

Merja Kivineva, Merja Bläuer, Heimo Syvälä, Teuvo Tammela and Pentti Tuohimaa 121 Localization of 1,25-dihydroxyvitamin D_3 receptor (VDR) expression in human prostate

T. Wise 129 *In vitro* and *in vivo* effects of thymulin on rat testicular steroid synthesis

Antigone Sourla, Michel Flamand, Alain Bélanger and Fernand Labrie 137 Effect of dehydroepiandrosterone on vaginal and uterine histomorphology in the rat

Asif N. Butt, Yemane K. Semra, Stephen J. Lane, Tak Lee and R. Swaminathan 151 Endogenous ouabain secretion in man is not regulated by ACTH

Svein I. Helle, Walter Jonat, Marius Giurescu, Dagfinn Ekse, Jeff M. P. Holly and Per E. Lønning 159 Influence of treatment with onapristone on the IGF-system in breast cancer patients

M. M. Grasa, C. Cabot, C. Adán, D. Sanchis, F. Balada, J. Estruch, J. A. Fernández-López, X. Remesar and M. Alemany 165 Effect of oleoyl-estrone administration on corticosterone binding to tissues of lean and obese Zucker rats

AUGUST

Vol. 66, No. 4

Varykina G. Thackray, Benjamin A. Lieberman and Steven K. Nordeen 171 Differential gene induction by glucocorticoid and progesterone receptors

Martin R. Tremblay and Donald Poirier 179 Overview of a rational approach to design type I 17β-hydroxysteroid dehydrogenase inhibitors without estrogenic activity: chemical synthesis and biological evaluation

Maria A. A. K. Folgueira, Miriam H. H. Federico, Maria L. H. Katayama, Maria R. P. Silva and M. Mitzi Brentani 193 Expression of vitamin D receptor (VDR) in HL-60 cells is differentially regulated during the process of differentiation induced by phorbol ester, retinoic acid or interferon-γ

Mary F. Ruh, Yanhua Bi, R. D'Alonzo and Clifford J. Bellone 203 Effect of estrogens on IL-1β promoter activity

G. P. Vicent, G. Burton, A. Ghini, C. P. Lantos and M. D. Galigniana 211 Influence of calf serum on glucocorticoid-responses of certain progesterone derivatives

David F. V. Lewis and Peter Lee-Robichaud 217 Molecular modelling of steroidogenic cytochromes P450 from families CYP11, CYP17, CYP19 and CYP21 based on the CYP102 crystal structure

O. Foury, B. Nicolas, M. O. Joly-Pharaboz and J. André 235 Control of the proliferation of prostate cancer cells by an androgen and two antiandrogens. Cell specific sets of responses

Ajay K. Nangia, Jeffrey L. Butcher, Badrinath R. Konety, Barbara N. Vietmeier and Robert H. Getzenberg 241 Association of vitamin D receptors with the nuclear matrix of human and rat genitourinary tissues

J. Donath and Y. Nishino 247 Effects of partial versus pure antiestrogens on ovulation and the pituitary–ovarian axis in the rat

Myrtle Thierry-Palmer, Kemia S. Carlyle, Monet D. Williams, Teclemicael Tewolde, Sheres Caines-McKenzie, Mohamed A. Bayorh, Nerimiah L. Emmett, Sandra A. Harris-Hooker, Gary L. Sanford and Evan F. Williams 255 Plasma 25-hydroxyvitamin D concentrations are inversely associated with blood pressure of Dahl salt-sensitive rats

SEPTEMBER

Vol. 66, No. 5–6

Keiichi Ozono, Masayo Yamagata, Yoshihiko Ohyama and Shigeo Nakajima 263 Direct repeat 3-type element lacking the ability to bind to the vitamin D receptor enhances the function of a vitamin D-responsive element

K. P. Ellsworth, B. A. Azzolina, G. Cimis, H. G. Bull and G. S. Harris 271 Cloning, expression and characterization of rhesus macaque types 1 and 2 5alpha-reductase: evidence for mechanism-based inhibition by finasteride

Masaki Ishigai, Shinichi Arai, Yoshihiko Ishitani and Kenji Kumaki 281 *In Vivo* metabolism of the vitamin D analog, 22-oxacalcitriol: evidence for side-chain truncation and 17-hydroxylation

G. Chetrite, E. Le Nestour and J. R. Pasqualini 295 Human estrogen sulfotransferase (hEST1) activities and its mRNA in various breast cancer cell lines. Effect of the progestin, promegestone (R-5020)

Natasha Pocuca, Sabera Ruzdijic, Constantinos Demonacos, Dusan Kanazir and Marija Krstic-Demonacos 303 Using yeast to study glucocorticoid receptor phosphorylation

Marie Blanchere, Isabelle Berthaut, Marie-claire Portois, Chidi Mestayer and Irène Mowszowicz

319 Hormonal regulation of the androgen receptor expression in human prostatic cells in culture

James L. Thomas, Brett W. Evans, Gustavo Blanco, Robert W. Mercer, J. Ian Mason, Stuart Adler, William E. Nash, Keith E. Isenberg and Ronald C. Strickler

327 Site-directed mutagenesis identifies amino acid residues associated with the dehydrogenase and isomerase activities of human type I (placental) 3β-hydroxysteroid dehydrogenase/isomerase

Behling Cheng, Shui-Chou Chou, Susamma Abraham and Jerome Kowal

335 Effects of prolonged ACTH-stimulation on adrenocortical cholesterol reserve and apolipoprotein E concentration in young and aged Fischer 344 male rats

Ljiljana Ševaljević, Mirjana Mačvanin, Zorica Žakula, Dušan T. Kanazir and Nevena Ribarac-Stepić

347 Adrenalectomy and dexamethasone treatment alter the patterns of basal and acute phase response-induced expression of acute phase protein genes in rat liver

Michael E. Baker

355 Evolution of mammalian 11β- and 17β-hydroxysteroid dehydrogenases-type 2 and retinol dehydrogenases from ancestors in *Caenorhabditis elegans* and evidence for horizontal transfer of a eukaryote dehydrogenase to *E. coli*